IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Vitali Nesterenko

Serial No .:

10/531,553

Conf. No.:

3552

Filed:

4/13/2005

For:

ISOSTATIC PRESSURE ASSISTED WAFER

BONDING METHOD

Art Unit:

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

Date

Registration No. 3

F-CLASS.WCM

Appr. February 20, 1998

Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. §1.97(b) within either of the following time periods, whichever occurs last:

- within three months of either the filing date of the national application or the date of entry (a) into the national stage; or
- before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R.§§1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By:

Steven P. Fallon

Registration No. 35,132

F:\DATA\GBC Office Forms\new forms\IDS Time Period 1 & 2.DOC

300 South Wacker Drive - Suite 2500

Chicago, Illinois 60606 Telephone: (312) 360-0080

Facsimile: (312) 360-9315

Customer Number 24978



05 DEC 2005

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known		
00031	aldic for form 1445/1 TC			Application Number	10/531,553	
INI		NDI	SCLOSURE	Filing Date	4/13/2005	
			_	First Named Inventor	Vitali Nesterenko	
ST	ATEMENT	BY /	APPLICANT	Art Unit		
(Use as many sheets as necessary)			necessary)	Examiner Name		
Sheet	1	of	1	Attorney Docket Number	0321.68367	

			U. S. PATEN	DOCUMENTS		
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		^{US-} 4,124,401	11/7/1978	Lee et al.		
		^{US-} 5,769,986	6/23/1998	Hagedorn et al.		
		^{US-} 6,261,927	7/17/2001	Natarajan et al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
	<u> </u>	US-				
		US-				

FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵			
						┢			
		<u> </u>				┡			

Examiner	Dat	ate	
Signature	Col	onsidered	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

many (many) expected

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO					Complete if Known		
Substitute t	or form 1449/P1O			Application Numb r	10/531,553		
INFO	RMATION	DIS	CLOSURI	Filing Date	4/13/2005		
STATEMENT BY APPLICANT				First Named Inventor	Vitali Nesterenko		
				Art Unit			
(Use as many sheets as necessary)				Examiner Name			
Sheet	2	of	2	Attorney Docket Number	0321.68367		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Z.L. Liau and D.E. Mull, "Wafer Fusion: A Novel Technique for Optoelectronic Device Fabrication and Monolithic Integration", Applied Physics Letters, Vol. 56, No. 8, Feb. 19, 1990, pp. 737-739.	
		G. Kastner, T. Akatsu, S. Senz, A. Plossl, U. Gosele, "Large-Area Wafer Bonding of GaAs Using Hydrogen and Ultrahigh Vacuum Atmospheres", Applied Physics A, Vol. 70, 2000, pp. 13-19.	
		:	
L			

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.